

ABSTRACT

A liquid crystal sealing agent composition of the invention is a one-component light and heat-curable resin composition containing: (1) a solid epoxy resin having a ring and ball method softening temperature of 40°C or above; (2) an acrylate monomer and/or a methacrylate monomer, or an oligomer thereof; (3) a thermoplastic polymer having a ring and ball method softening temperature of 50 to 120°C, the thermoplastic polymer being obtained by copolymerizing an acrylate monomer and/or a methacrylate monomer with a monomer copolymerizable therewith; (4) a light-activated radical polymerization initiator; and (5) a latent epoxy curing agent.

The invention provides the light and heat curable liquid crystal sealing agent composition that is employable in one drop fill, is excellent in properties of a cured product particularly after first-stage light curing, achieves stable cell gap after cell gap formation, permits prevention of contamination of the liquid crystal in second-stage heat curing, is excellent in curing properties in shaded area, and shows superior bonding reliability.